

=> b reg

FILE 'REGISTRY' ENTERED AT 10:08:32 ON 01 NOV 2006

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 31 OCT 2006 HIGHEST RN 911785-87-0

DICTIONARY FILE UPDATES: 31 OCT 2006 HIGHEST RN 911785-87-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

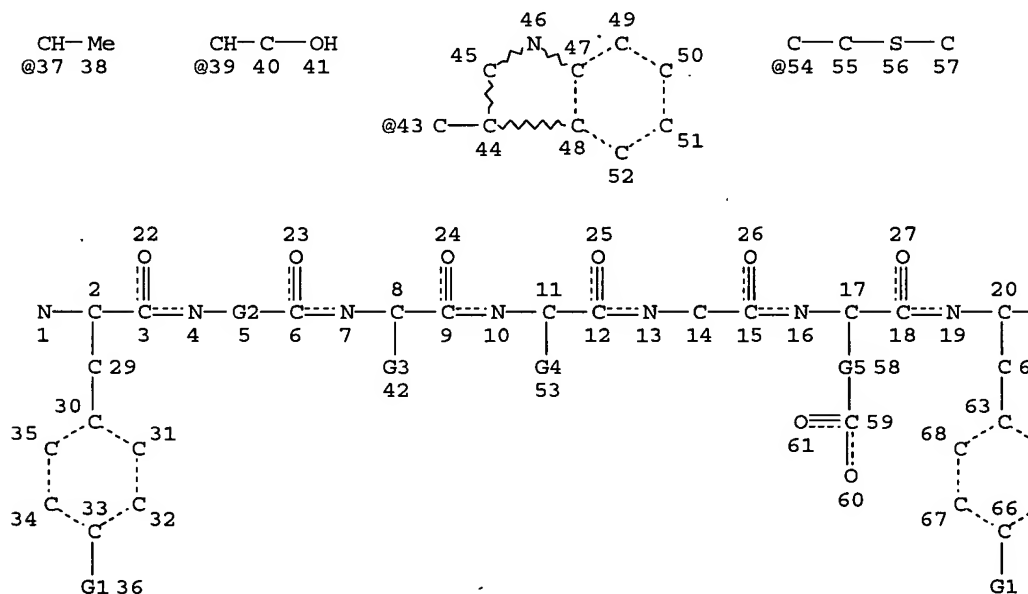
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

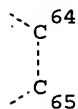
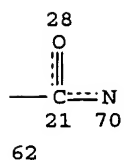
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=> d que sta l8

L6 STR



Page 1-A



Page 1-B

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VAR G3=I-PR/S-BU/43

VAR G4=54/I-BU

REP G5=(1-2) C

NODE ATTRIBUTES:

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DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 70

STEREO ATTRIBUTES: NONE

L8 3 SEA FILE=REGISTRY SSS FUL L6

100.0% PROCESSED 426778 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.08

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FILE 'HCAPLUS' ENTERED AT 10:08:48 ON 01 NOV 2006

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FILE COVERS 1907 - 1 Nov 2006 VOL 145 ISS 19

FILE LAST UPDATED: 30 Oct 2006 (20061030/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

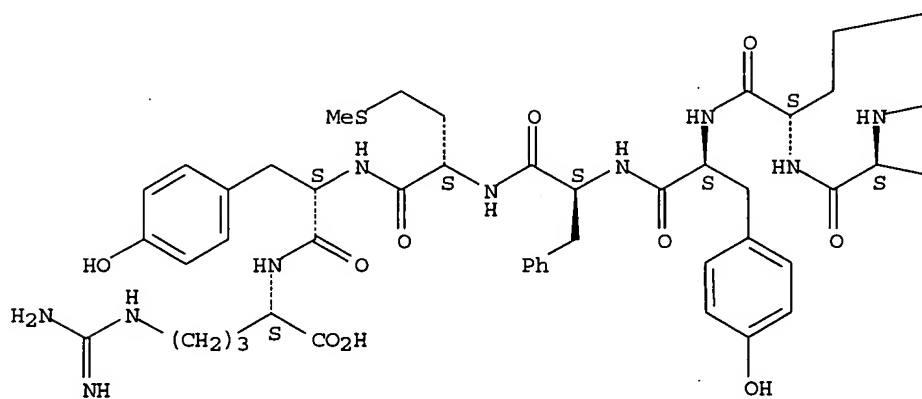
This file contains CAS Registry Numbers for easy and accurate substance identification.

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L11 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:37148 HCAPLUS
DN 144:121788
TI Methods and vaccinia virus A52R protein-derived peptides for regulating
cellular activity
IN Hefeneider, Steven H.; McCoy, Sharon L.
PA USA
SO U.S. Pat. Appl. Publ., 40 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1
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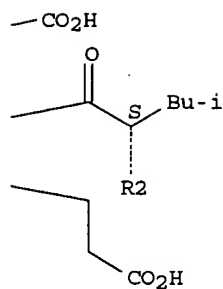
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| PRAI | 2004US-586701P | P | 20040712 | | |
| AB | Methods and peptides for regulating cellular activity include a panel of synthesized peptides that have biol. effects on inhibiting or enhancing cellular activity. Selected peptides can be used as therapy to reduce and/or inhibit, or initiate and/or enhance, an inflammatory response in a subject. Peptides are derived from vaccinia virus A52R protein. | | | | |
| IT | 873191-83-4DP, derivs. 873191-83-4P 873192-00-8P RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (vaccinia virus A52R protein-derived peptides for regulating cellular activity) | | | | |
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| CN | L-Arginine, L-leucyl-L- α -aspartyl-L-arginyl-L- α -aspartyl-L- α -glutamyl-L-methionyl-L-phenylalanyl-L-threonyl-L-isoleucyl-L-leucyl-L- α -glutamyl-L- α -glutamyl-L-tyrosyl-L-phenylalanyl-L-methionyl-L-tyrosyl- (9CI) (CA INDEX NAME) | | | | |

Absolute stereochemistry.

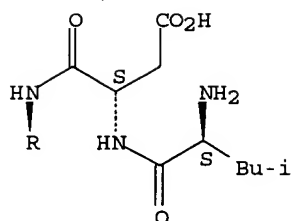
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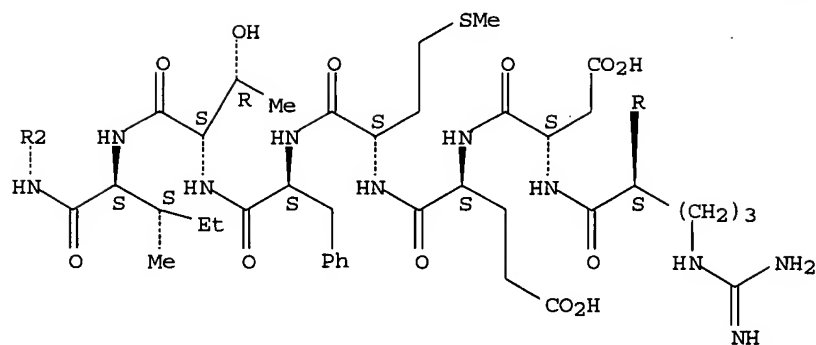
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PAGE 3-A

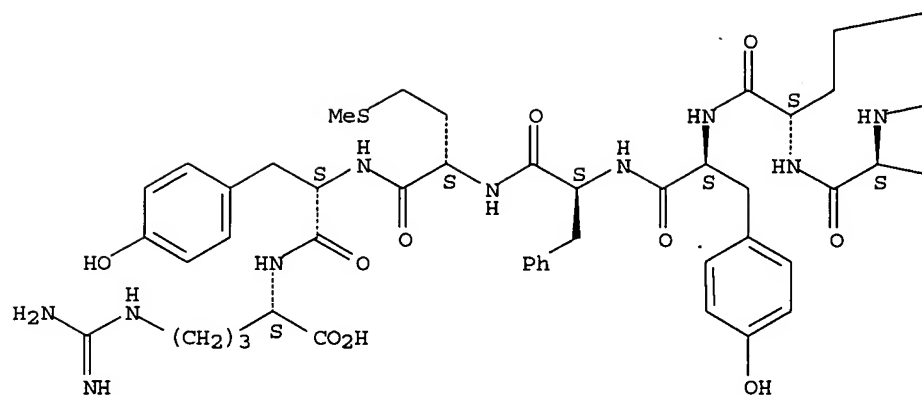


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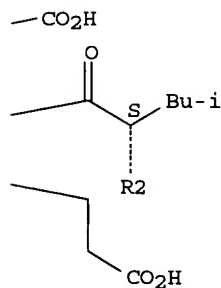
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Absolute stereochemistry.

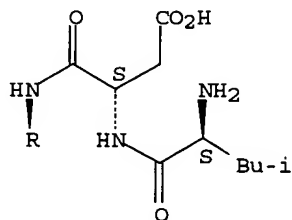
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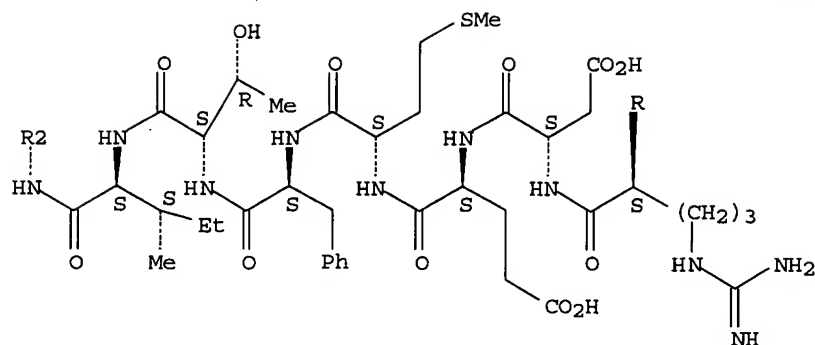
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PAGE 3-A

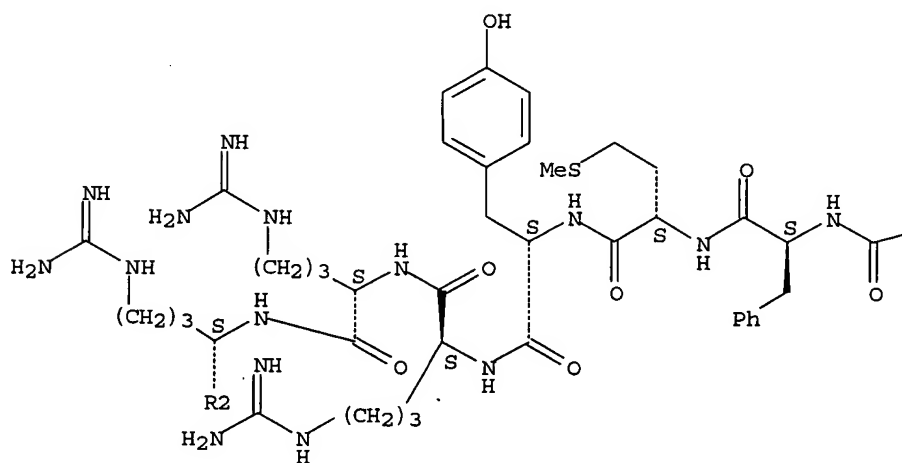


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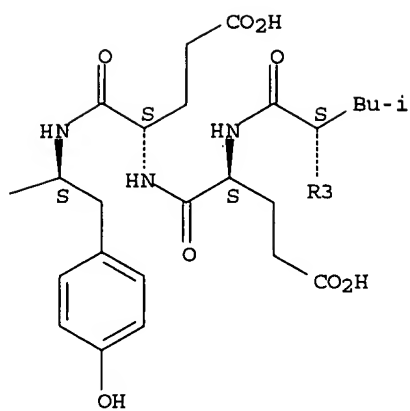
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Absolute stereochemistry.

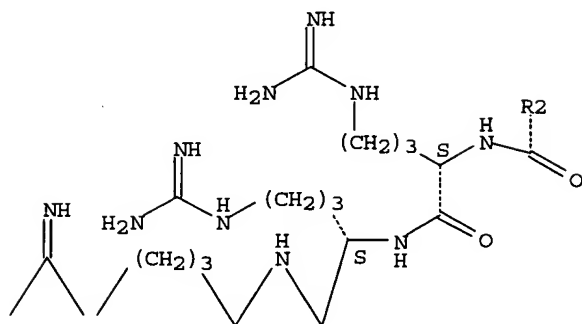
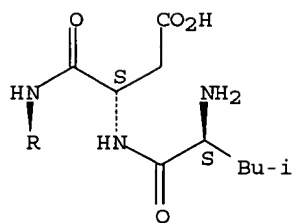
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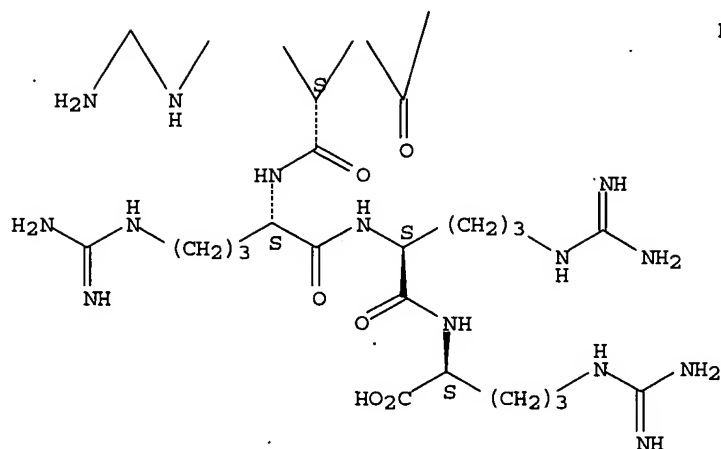
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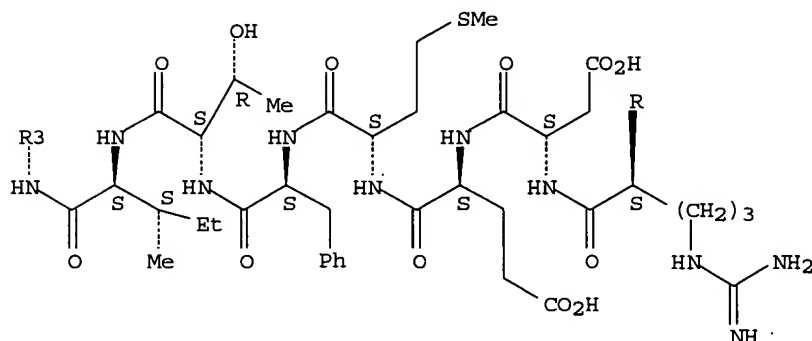
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PAGE 3-A



PAGE 4-A



L11 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:575099 HCAPLUS

DN 137:137275

TI Differential labeling for quantitative analysis of complex protein mixtures

IN Haynes, Paul; Wei, Jing; Yates, John; Andon, Nancy

PA Syngenta Participations AG, USA

SO PCT Int. Appl., 79 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| | WO2002059144 | C1 | 20040610 | | |
| | WO2002059144 | C2 | 20040812 | | |

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 GN, GQ, GW, ML, MR, NE, SN, TD, TG

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PRAI 2001US-264576P P 20010126
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 2002US-0057789 A1 20020125
 2002US-0212628 A 20020801
 2003WO-IB03863 W 20030728

OS MARPAT 137:137275

AB The invention concerns a method of simultaneously identifying and determining the levels of expression of cysteine-containing proteins in normal and perturbed cells, a method for proteomic anal., a process for preparing fusion proteins, and compds. and reagents related thereto. This invention provides methods and reagents that can be employed in proteome anal. which overcome the limitations inherent in traditional techniques The basic approach described can be employed for the quant. anal. of protein expression in complex samples (such as cells, tissues, and fractions thereof), the detection and quantitation of specific proteins in complex samples, and the quant. measurement of specific enzymic activities in complex samples. We have designed trifunctional synthetic peptide based reagents that can be used for reducing the complexity of peptide mixts. by labeling peptides with iodoacetamido groups and then selectively enriching only those peptides containing labeled cysteine residues. Embodiments of this invention provide anal. reagents and mass spectrometry-based methods using these reagents for the rapid and quant. anal. of proteins or protein function in mixts. of proteins. The anal. method can be used for qual. and particularly for quant. anal. of global protein expression profiles in cells and tissues, i.e., the quant. anal. of proteomes.

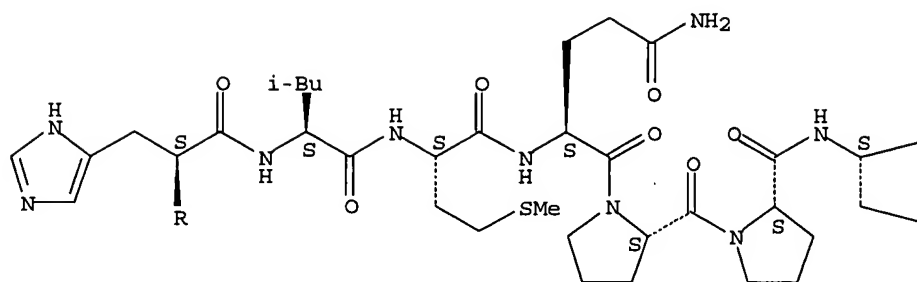
IT 444877-04-7
 RL: PRP (Properties)
 (unclaimed sequence; differential labeling for quant. anal. of complex protein mixts.)

RN 444877-04-7 HCAPLUS

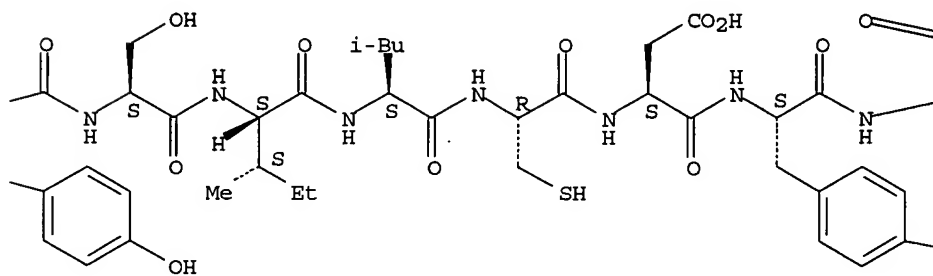
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Absolute stereochemistry.

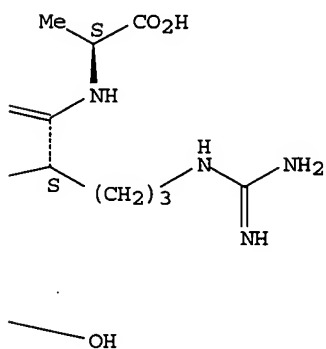
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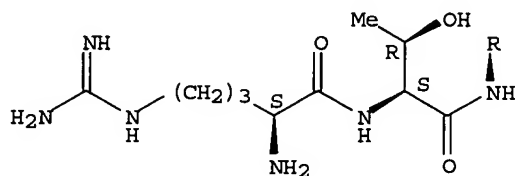
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PAGE 1-C



PAGE 2-A



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CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

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| TI | Method and peptide for regulating cellular activity | |
| IN | Hefeneider, Steven H., Portland, OR, UNITED STATES | |
| | McCoy, Sharon L., Portland, OR, UNITED STATES | |
| PI | US2006009391 | A1 20060112 |
| AI | 2005US-0178316 | A1 20050712 (11) |
| PRAI | 2004US-586701P | 20040712 (60) |
| DT | Utility | |
| FS | APPLICATION | |
| LREP | DINESH AGARWAL, P.C., 5350 SHAWNEE ROAD, SUITE 330, ALEXANDRIA, VA, 22312, US | |
| CLMN | Number of Claims: 69 | |
| ECL | Exemplary Claim: 1 | |
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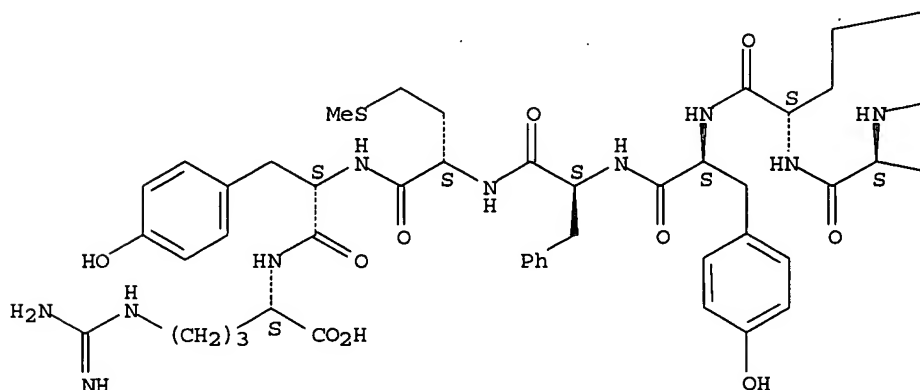
AB Method and peptide for regulating cellular activity includes a panel of synthesized peptides that have biological effects on inhibiting or enhancing cellular activity. Selected peptides can be used as therapy to reduce and/or inhibit, or initiate and/or enhance, an inflammatory response in a subject.

IT 873191-83-4DP, derivs. 873191-83-4P
873192-00-8P
(vaccinia virus A52R protein-derived peptides for regulating cellular activity)

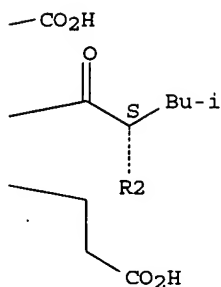
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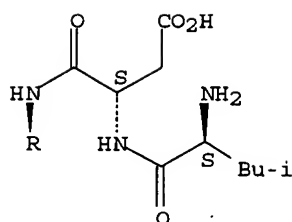
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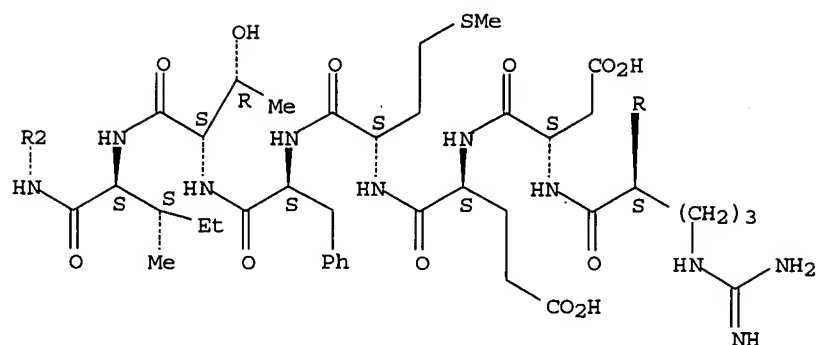
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PAGE 3-A

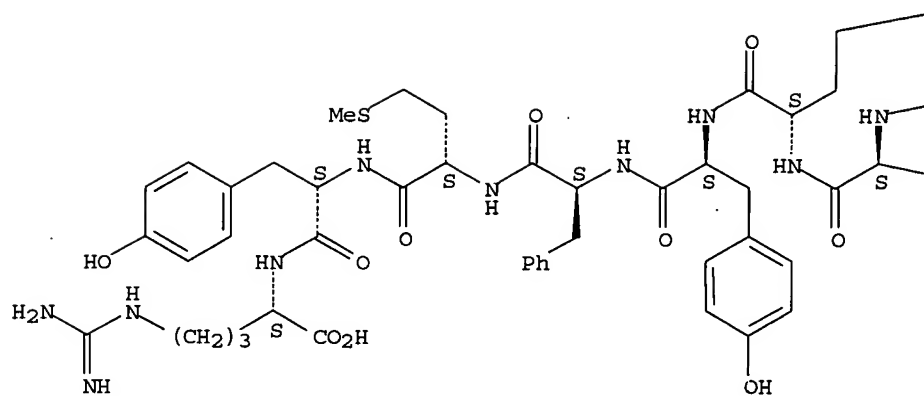


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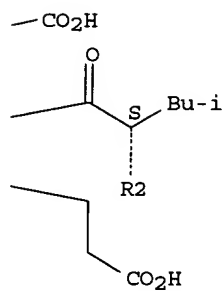
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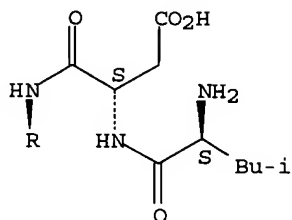
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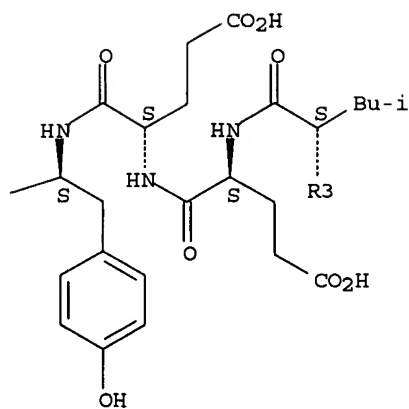
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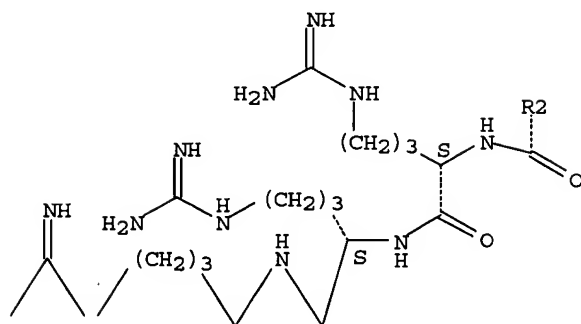
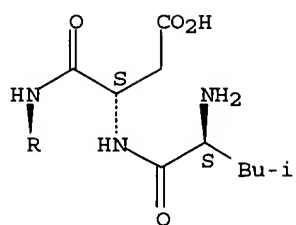
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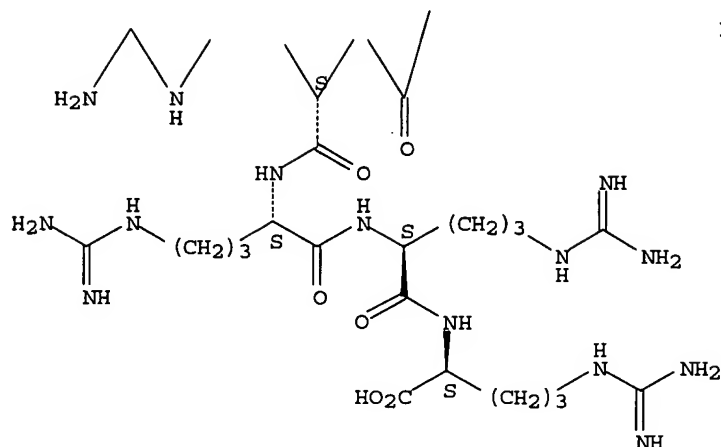
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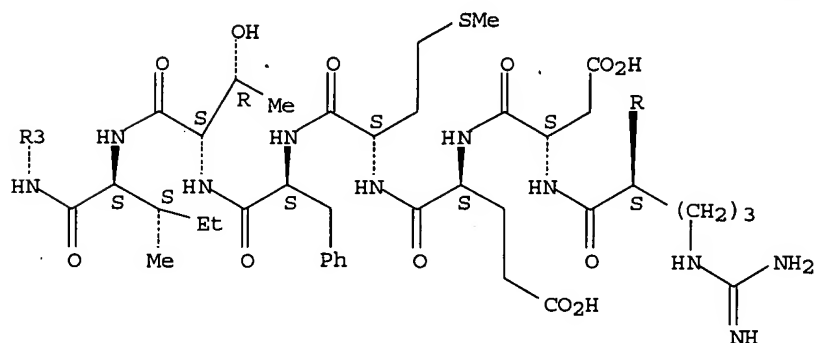
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PAGE 3-A



PAGE 4-A



L13 ANSWER 2 OF 4 USPATFULL on STN
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 TI Differential labeling for quantitative analysis of complex protein mixtures
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 Wei, Jing, San Diego, CA, UNITED STATES
 Yates, John, San Diego, CA, UNITED STATES
 Andon, Nancy, Cardiff-By-The-Sea, CA, UNITED STATES
 PI US2003087329 A1 20030508
 AI 2002US-0212628 A1 20020801 (10)
 RLI Continuation of Ser. No. 2002US-0057789, filed on 25 Jan 2002, PENDING
 PRAI 2001US-305232P 20010713 (60)
 2001US-264576P 20010126 (60)
 DT Utility
 FS APPLICATION
 LREP KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614
 CLMN Number of Claims: 23
 ECL Exemplary Claim: 1
 DRWN 9 Drawing Page(s)
 LN.CNT 5022
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to a method of simultaneously identifying and determining the levels of expression of cysteine-containing proteins in normal and perturbed cells, a method for proteomic analysis, a

process for preparing fusion proteins, and compounds and reagents related thereto.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 444877-04-7

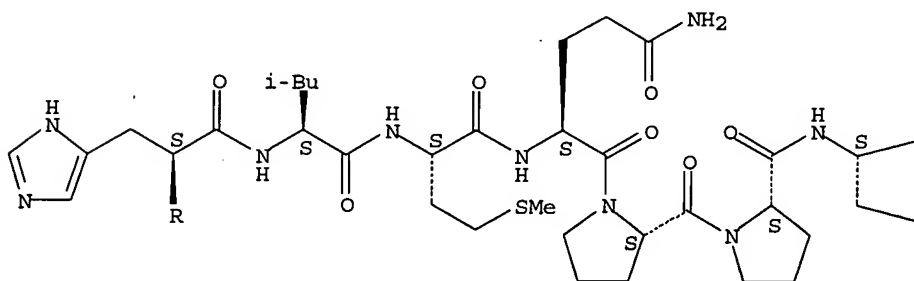
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RN 444877-04-7 USPTAFULL

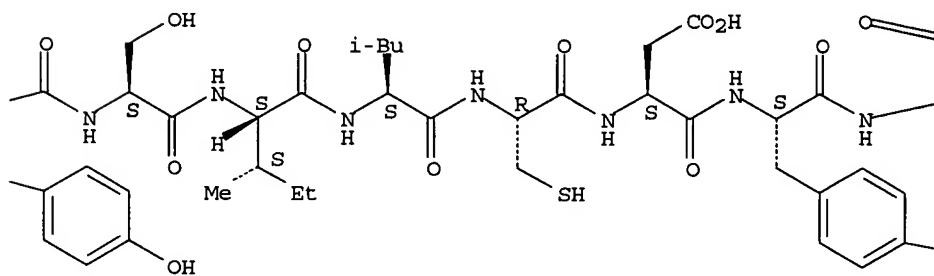
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Absolute stereochemistry.

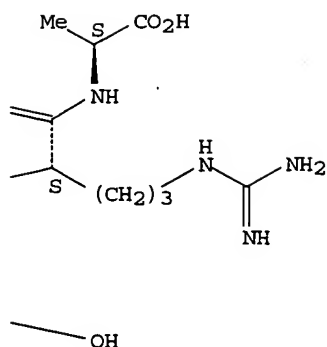
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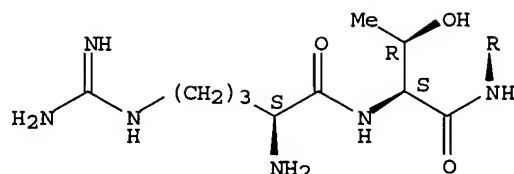
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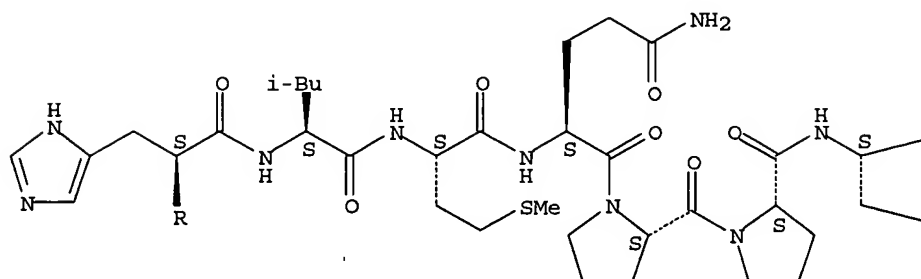


L13 ANSWER 3 OF 4 USPATFULL on STN
 AN 2003:120039 USPATFULL
 TI Differential labeling for quantitative analysis of complex protein mixtures
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 Wei, Jing, San Diego, CA, UNITED STATES
 Yates, John, San Diego, CA, UNITED STATES
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 2001US-305232P 20010713 (60)
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 LN.CNT 2848
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to a method of simultaneously identifying and determining the levels of expression of cysteine-containing proteins in normal and perturbed cells, a method for proteomic analysis, a process for preparing fusion proteins, and compounds and reagents related thereto.
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 IT 444877-04-7
 (unclaimed sequence; differential labeling for quant. anal. of complex protein mixts.)
 RN 444877-04-7 USPATFULL
 CN L-Alanine, L-arginyl-L-threonyl-L-histidyl-L-leucyl-L-methionyl-L-glutamyl-L-prolyl-L-prolyl-L-tyrosyl-L-seryl-L-isoleucyl-L-leucyl-L-

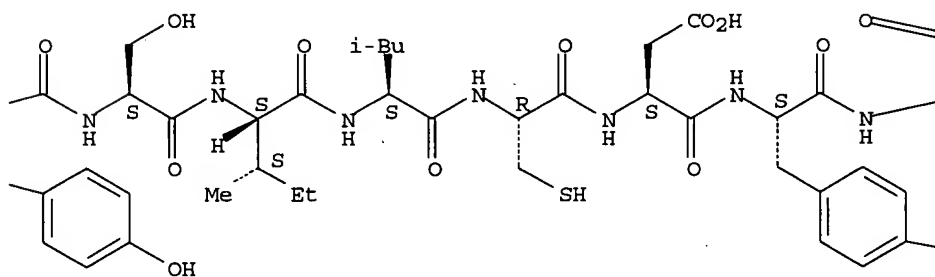
cysteinyl-L- α -aspartyl-L-tyrosyl-L-arginyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

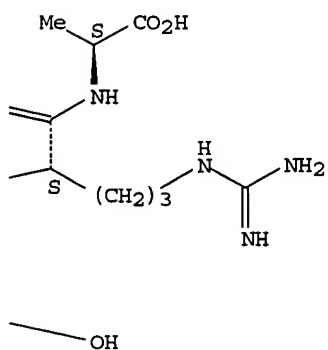
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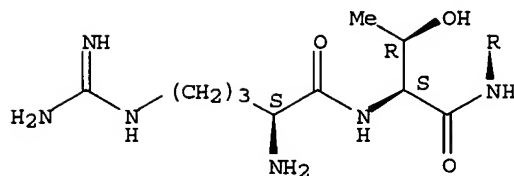
PAGE 1-B



PAGE 1-C



PAGE 2-A



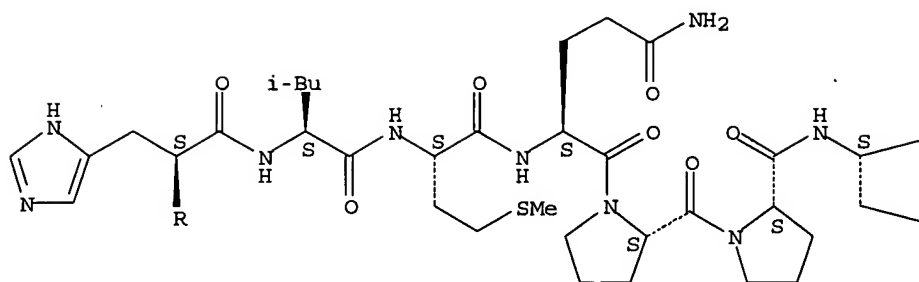
L13 ANSWER 4 OF 4 USPAT2 on STN
 AN 2003:120039 USPAT2
 TI Differential labeling for quantitative analysis of complex protein mixtures
 IN Haynes, Paul, Encinitas, CA, UNITED STATES
 Wei, Jing, San Diego, CA, UNITED STATES
 Yates, John, San Diego, CA, UNITED STATES
 Andon, Nancy, Cardiff-By-The-Sea, CA, UNITED STATES
 PA Syngenta Participations AG, Basel, SWITZERLAND (non-U.S. corporation)
 PI US---6969757 B2 20051129
 AI 2002US-0057789 20020125 (10)
 PRAI 2001US-305232P 20010713 (60)
 2001US-264576P 20010126 (60)
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Russel, Jeffrey Edwin
 LREP Jenkins, Wilson & Taylor, P.A.
 CLMN Number of Claims: 2
 ECL Exemplary Claim: 1
 DRWN 14 Drawing Figure(s); 9 Drawing Page(s)
 LN.CNT 4304
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to a method of simultaneously identifying and determining the levels of expression of cysteine-containing proteins in normal and perturbed cells, a method for proteomic analysis, a process for preparing fusion proteins, and compounds of Formula II and III:

 (II) Acyl-NH--X-[Epitope Tag Site].sub.A-Y-[Protease Cleavage Site]-Z-Link
 (III) Acyl-NH--X-alk-O-Ph-CH.sub.2--Z-Link and reagents related thereto.

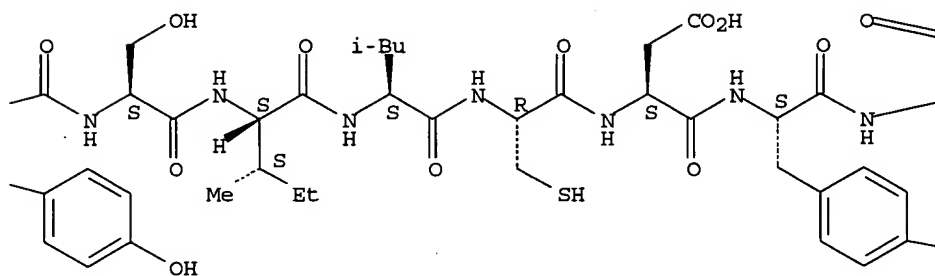
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 IT 444877-04-7
 (unclaimed sequence; differential labeling for quant. anal. of complex protein mixts.)
 RN 444877-04-7 USPAT2
 CN L-Alanine, L-arginyl-L-threonyl-L-histidyl-L-leucyl-L-methionyl-L-glutaminy-L-prolyl-L-prolyl-L-tyrosyl-L-seryl-L-isoleucyl-L-leucyl-L-cysteinyl-L- α -aspartyl-L-tyrosyl-L-arginyl- (9CI) (CA INDEX NAME)

 Absolute stereochemistry.

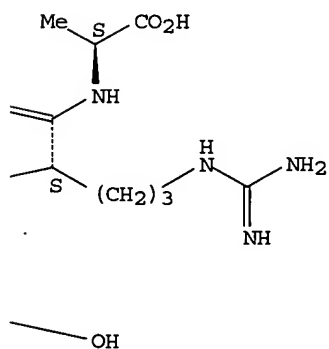
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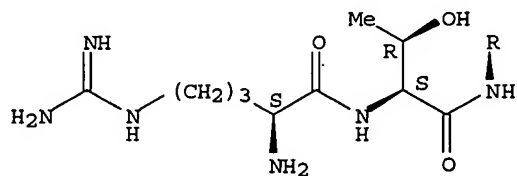
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PAGE 1-C



PAGE 2-A



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E CRUZ ANTONIO/AU
L3 47 E3-11

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L4 TRA L1 1- RN : 84 TERMS

FILE 'REGISTRY' ENTERED AT 09:44:52 ON 01 NOV 2006

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L10 27 L5 AND SQL>=7
SAV TEM L8 GAR082F0/A

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FILE 'HCAOLD' ENTERED AT 10:07:34 ON 01 NOV 2006

L12 0 L8

FILE 'USPATFULL, USPAT2' ENTERED AT 10:07:42 ON 01 NOV 2006

L13 4 L8

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